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EXAMINER
JONES, DAVID

ART UNIT	PAPER NUMBER
2622	

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Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	09/879,972	TULI, RAJA SINGH
	Examiner	Art Unit
	David L Jones	2622

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _03 May 2004_.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-120_ is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-120_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a)☐ All   b)☐ Some * c)☐ None of:

　　　1.☐ Certified copies of the priority documents have been received.

　　　2.☐ Certified copies of the priority documents have been received in Application No. _____.

　　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Response to Amendment

1.   In response to applicant's amendment 3 May 2004, claims 1-120 are amended and

pending.

2.

Response to Arguments

3.   Applicant's arguments with respect to claims 1-120 have been considered but are

moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

4.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5.   Claims 1-120 are rejected under 35 U.S.C. 102(b) as being anticipated by

Robotham et al. (US 6,704,024).

Regarding claim 1, Robotham et al. (Robotham) discloses a system for viewing

Internet content, the system comprising:

a portable device (fig. 1, #24);

a host computer (22) coupled to the portable device through a communication link

(18, column 8, lines 11-13);

wherein the host computer receives (column 9, lines 46-52) information defining a web page from outside and renders said information into an image of the web page in memory of the host computer in response to a request for the web page from the portable device, said information including text and graphics;

wherein a software program running on the device implements a device browser window with icons (fig. 13A), which are fixed with respect to device browser window;

wherein the host computer reduces (column 11, lines 58-67, and column 12, lines 1-13) the color depth of a portion of the image of the web page which portion is proportional to the size of the device browser window, digitally compresses and transmits the portion of the image of the web page to the device, where the portion of the image of the web page is decompressed and stored into a display memory on the device display;

wherein the device (column 9, lines 4-16) enables a user to scroll the image of the web page inside the device browser window and sends a message to the host computer informing the host computer scrolling operations occurred in the device browser; and

wherein when a part (column 9, lines 4-16) of the image of the web page is brought into the device browser window but has not been sent to the device, the part of the image of the web page is sent from the host computer to the device.

Regarding claim 2, Robotham discloses (column 10, lines 14-27) a system for viewing Internet content, the system wherein the portions of the image of the web page scrolled into the device browser window for display are sent to the device from the host computer and stored collectively as a page on the device without common overlapping areas of the image being sent more than once from the host computer to the device during scrolling of the image in the device browser window. As disclosed by Robotham, that the

device has the ability to cache information of multiple pages, and that the host computer

(server computer) knows where the scrolling has gone therefore, it is inherent that with

the caching ability that the host computer would only need to send the information of a

page only once to the device.

Regarding claim 3, Robotham discloses (column 10, lines 14-27) a system for

viewing Internet content, the system wherein the image of the web page is stored on the

host computer and also on a memory in the device along with information on which

portions of the image have been sent to the device, enabling displaying the image of the

web page from the memory of the device without the same portions being sent again

from the host computer to the device after displaying one or more different web pages.

As disclosed by Robotham, that the device has the ability to cache information of

multiple pages, and that the host computer (server computer) knows where the scrolling

has gone therefore, it is inherent that with the caching ability that the host computer

would only need to send the information of a page only once to the device.

Regarding claim 4, Robotham discloses (column 10, lines 14-40) a system for

viewing Internet content, the system wherein when the user clicks on a link to a new web

page, image data of the current web page is compressed and stored on the device in a

different memory location with information on links between web pages viewed, for view

again by the user at a later time, whereby a portion of an image of the new page rendered

by the host is received from the host computer by the device. As disclosed by Robotham,

that the device has the ability to cache information of multiple pages, and that the host

computer (server computer) knows where the scrolling has gone therefore, it is inherent

that with the caching ability that the host computer would only need to send the

information of a page only once to the device. Further, it is well known that when the information of a web page is brought into memory each page is given a different location for quick access at a later point, each page and link with individual pointers to each position.

Regarding claim 5, Robotham discloses (column 10, lines 14-40) a system for viewing Internet content, the system wherein information about the last area displayed in the device browser window is stored in memory on the device for the web page, wherein upon returning to the web page, said last are displayed appears first in the device browser window.

Regarding claim 6, Robotham discloses (column 11, lines 58-67, and column 12, lines 1-13) a system for viewing Internet content, the system wherein the host computer reduces the color depth of the entire web page before the portion of the image of the web page, which portion is equal in size the device browser window, is digitally compressed and transmitted to the device.

Regarding claim 7, Robotham discloses (column 11, lines 58-67, and column 12, lines 1-13) a system for viewing Internet content, the system wherein the host computer digitally compresses the image of the entire web page before the portion of the image of the web page, which portion is equal in size to the device browser window, is transmitted to the device.

Regarding claim 8, Robotham discloses (column 10, lines 14-27) a system for viewing Internet content, the system wherein areas of each web page viewed are stored on the host computer and also on a memory in the device along with information on which areas of web pages were sent to the device such that when scrolling to a new area

outside an area of a web page previously viewed, the device sends a message from the
device to the host computer instructing the host computer to send this new area to the
device which is then digitally compressed and transmitted to the device for display.

Regarding claim 9, Robotham discloses (column 10, lines 14-27) a system for
viewing Internet content, the system wherein web page and corresponding areas
frequently viewed by the user are stored on the host computer such that, when the address
of a frequently viewed web page is entered on the device, the device sends a message
containing the web page address to the host computer, which recognizes this frequently
viewed web page and automatically sends corresponding areas frequently viewed to the
device.

Regarding claim 10, Robotham discloses a method to view Internet content, the
method comprising: sending from a device (column 9, lines 46-52) to a remote server a
first request for a first web page;

automatically receiving at the device (column 11, lines 58-67, and column 12,
lines 1-13) from the remote server in a compressed format a first portion of a first image
of the entire first web page;

displaying, on a display of the device (fig. 13A), at least a part of the first portion
of the first image of the entire first web page;

receiving, at the device (column 10, lines 1-13), user input to display a second
portion of the first image of the entire first web page;

transmitting, from the device (column 10, lines 1-13) to the remote server, data
indicating the user input to display the second portion of the first image of the entire first
web page;

receiving at the device (column 10, lines 1-13) from the remote server in a compressed format the second portion of the first image of the entire first web page only when the second portion of the first image has not been transmitted from the remote server to the device;

displaying the second (column 11, lines 58-67, and column 12, lines 1-13) portion of the first image of the entire first web page on the display of the device;

wherein the (column 11, lines 58-67, and column 12, lines 1-13) first and second portions of the first image of the entire first web page are rendered at the remote server from information defining the first web page; and

wherein at least (column 11, lines 58-67, and column 12, lines 1-13) one of the first and second portions of
the first image is rendered at the remote server from information including text.

Regarding claim 11, Robotham discloses (column 10, lines 61-67) a method to view Internet content, the method wherein the remote server retrieves the information defining the first web page from the Internet in response to the first request for the first web page.

Regarding claim 12, Robotham discloses (column 15, lines 44-56) a method to view Internet content, the method wherein the user input to display the second portion of the first image of the entire first web page comprises input to scroll.

Regarding claim 13, Robotham discloses (column 15, lines 44-56) a method to view Internet content, the method wherein the user input causes a visible part of the first portion being shown on the display of the device together with the second portion; and,

the visible part of the first portion is displayed while the device is receiving the second

portion from the remote server.

Regarding claim 14, Robotham discloses (column 16, lines 43-52) a method to

view Internet content, the method wherein before the second portion is received at the

device, a predetermined color is display to represent the second portion of the image.

Regarding claim 15, Robotham discloses (column 15, lines 44-56) a method to

view Internet content, the method wherein the first portion is larger than an area on the

display allocated for displaying the first web page.

Regarding claim 16, Robotham discloses (column 15, lines 44-56) a method to

view Internet content, the method wherein the first portion of the image is equal in size to

a browser window, which is allocated to display the first web page on the display of the

device.

Regarding claim 17, Robotham discloses (column 14, lines 14-40) a method to

view Internet content, the method wherein receiving at the device user input for a second

web page; storing the first and second portions of the first image of the first web page on

the device in a compressed format; sending from the device to the remote server a request

for the second web page; automatically receiving at the device from the remote server in

a compressed format a portion of an image of the entire second web page; and displaying,

on the display of the device, at least a part of the portion of the image of the entire second

web page.

Regarding claim 18, Robotham discloses (column 14, lines 14-40) a method to

view Internet content, the method wherein receiving at the device user input to view the

first web page after a part of the image of the second web page is displayed on the display

of the device; storing the portion of the image of the second web page in a compressed

format on the device; and displaying a portion of the first image of the first web page

according to the first and second portions of the first image of the first web page stored

on the device.

Regarding claim 19, Robotham discloses (column 14, lines 14-40) a method to

view Internet content, the method wherein receiving at the device user input to view the

first web page after a part of the image of the second web page is displayed on the display

of the device; storing the portion of the image of the second web page in a compressed

format in memory of the device; and automatically displaying the second portion of the

first image of the first web page.

Regarding claim 20, the claim is analogous to claim 5.

Regarding claim 21, Robotham discloses (column 14, lines 14-40) a method to

view Internet content, the method wherein sending from the device to the remote server a

second request for the first web page; and automatically receiving at the device from the

remote server in a compressed format a third portion of a second image of the entire first

web page, the third portion of the second image corresponding to the first and second

portions of the first image of the first web page. Further, as detailed above, Robotham

discloses that the user has the ability to change the view of the browser, such as to change

the pixel resolution, which is the ability to change the view from one pixel resolution

which would be a view that is divided into a plurality of regions, but upon changing the

resolution would incorporate more than one region into one.

Regarding claim 22, the claim is analogous to claims 1 and 10.

  Regarding claim 23, Robotham discloses (column 14, lines 14-40) a method to view Internet content, the method wherein the server renders the entire first image of the entire first web page, including the first and second portions, in response to the first request for the first web page.

  Regarding claim 24, the claim is analogous to claim 11.

  Regarding claim 25, the claim is analogous to claim 12.

  Regarding claim 26, the claim is analogous to claim 15.

  Regarding claim 27, the claim is analogous to claim 16.

  Regarding claim 28, the claim is analogous to claim 17.

  Regarding claim 29, the claim is analogous to claim 21.

  Regarding claim 30, Robotham discloses (column 15, lines 44-67, and column 16, lines 1-12) a method to view Internet content, the method wherein receiving at the server from the remote device a second request for the first web page; and retrieving refreshed information defining the first web page from the Internet in response to the second request; rendering a third portion of a second image of the entire first web page from the refreshed information defining the first web page; and automatically transmitting from the server to the remote device in a compressed format the third portion of the second image of the entire first web page, the third portion of the second image corresponding to the first and second portions of the first image of the first web page.

  Regarding claim 31, Robotham discloses (column 9, lines 46-67, and column 10, lines 1-40) a device to view Internet content, the device comprising:

  means (18) for sending to a remote server a first request for a first web page;

means (26) for automatically receiving from the remote server in a compressed

format a first portion of a first image of the entire first web page;

means (5) for displaying, on a display of the device, at least a part of the first

portion of the first image of the entire first web page;

means (9) for receiving user input to display a second portion of the first image of

the entire first web page;

means (18) for transmitting, from the device to the remote server, data indicating

the user input to display the second portion of the first image of the entire first web page;

means (26) for receiving from the remote server in a compressed format the

second portion of the first image of the entire first web page only when the second

portion of the first image has not been transmitted from the remote server to the device;

means (5) for displaying the second portion of the first image of the entire first

web page on the display of the device; wherein the first and second portions of the first

image of the entire first web page are rendered at the remote server from information

defining the first web page; and wherein at least one of the first and second portions of

the first image is rendered at the remote server from information including text.

Regarding claim 32, the claim is analogous to claim 11.

Regarding claim 33, the claim is analogous to claim 12.

Regarding claim 34, the claim is analogous to claim 13.

Regarding claim 35, the claim is analogous to claim 14.

Regarding claim 36, the claim is analogous to claim 15.

Regarding claim 37, the claim is analogous to claim 16.

Regarding claim 38, Robotham discloses (column 9, lines 46-67, and column 10, lines 1-40) a device to view Internet content, the device comprising:

means (10) for receiving user input for a second web page;

means (7) for storing the first and second portions of the first image of the first web page on the device in a compressed format;

means (18) for sending to the remote server a request for the second web page;

means (18) for automatically receiving from the remote server in a compressed format a portion of an image of the entire second web page; and

means (5) for displaying, on the display of the device, at least a part of the portion of the image of the entire second web page.

Regarding claim 39, Robotham discloses (column 9, lines 46-67, and column 10, lines 1-40) a device to view Internet content, the device comprising:

means (10) for receiving user input to view the first web page after a part of the image of the second web page is displayed on the display of the device;

means (7) for storing the portion of the image of the second web page in a compressed format on the device; and

means (5) for displaying a portion of the first image of the first web page according to the first and second portions of the first image of the first web page stored on the device.

Regarding claim 40, Robotham discloses (column 9, lines 46-67, and column 10, lines 1-40) a device to view Internet content, the device comprising:

means (10) for receiving user input to view the first web page after a part of the image of the second web page is displayed on the display of the device;

means (7) for storing the portion of the image of the second web page in a compressed format in memory of the device; and

means (26) for automatically displaying the second portion of the first image of the first web page.

Regarding claim 41, the claim is analogous to claim 20.

Regarding claim 42, Robotham discloses (column 9, lines 46-67, and column 10, lines 1-40) a device to view Internet content, the device comprising:

means (18) for sending to the remote server a second request for the first web page; and

means (18) for automatically receiving from the remote server in a compressed format a third portion of a second image of the entire first web page, the third portion of the second image corresponding to the first and second portions of the first image of the first web page.

Regarding claim 43, Robotham discloses (column 9, lines 46-67, and column 10, lines 1-40) a device to view Internet content, the device comprising:

means (10) for receiving from a remote device a first request for a first web page;

means (14 and 28) for rendering a first portion of a first image of the entire first web page from information defining the first web page;

means (10) for selectively transmitting to the remote device in a compressed format the first portion of the first image of the entire first web page for display on a display of the remote device;

means (10) for receiving, from the remote device, data indicating user input to display a second portion of the first image of the entire first web page on the remote device;

means (14 and 28) for rendering the second portion of the first image of the entire first web page from the information defining the first web page;

means (18) for transmitting, responsive to the data indicating the user input to display the second portion, to the remote device in a compressed format the second portion of the first image of the entire first web page only when the second portion of the first image has not been transmitted from the server to the remote device; wherein at least one of the first and second portions of the first image is rendered at the server from information including text.

Regarding claim 44, the claim is analogous to claim 23.

Regarding claim 45, the claim is analogous to claim 11.

Regarding claim 46, the claim is analogous to claim 12.

Regarding claim 47, the claim is analogous to claim 15.

Regarding claim 48, the claim is analogous to claim 16.

Regarding claim 49, the claim is analogous to claim 38.

Regarding claim 50, Robotham discloses (column 9, lines 46-67, and column 10, lines 1-40) a device to view Internet content, the device comprising:

means (10)for receiving, from the remote device, data indicating user input to display a third portion of the first image of the entire first web page on the remote device, after a part of the image of the second web page is transmitted for display on the remote device;

means (18) for transmitting to the remote device in a compressed format the third portion of the first image of the entire first web page only when the third portion of the first image has not been transmitted from the server to the remote device according to the information about the first and second portions of the first image of the first web page stored at the server.

Regarding claim 51, Robotham discloses (column 9, lines 46-67, and column 10, lines 1-40) a device to view Internet content, the device comprising:

means (10)for receiving from the remote device a second request for the first web page; and

means (2) for retrieving refreshed information defining the first web page from the Internet in response to the second request;

means (14 and 28) for rendering a third portion of a second image of the entire first web page from the refreshed information defining the first web page; and

means (18) for automatically transmitting from the server to the remote device in a compressed format the third portion of the second image of the entire first web page, the third portion of the second image corresponding to the first and second portions of the first image of the first web page.

Regarding claim 52, the claim is analogous to claim 10.

Regarding claim 53, the claim is analogous to claim 11.

Regarding claim 54, the claim is analogous to claim 12.

Regarding claim 55, the claim is analogous to claim 13.

Regarding claim 56, the claim is analogous to claim 14.

Regarding claim 57, the claim is analogous to claim 15.

Regarding claim 58, the claim is analogous to claim 16.

Regarding claim 59, the claim is analogous to claim 17.

Regarding claim 60, the claim is analogous to claim 18.

Regarding claim 61, the claim is analogous to claim 19.

Regarding claim 62, the claim is analogous to claim 20.

Regarding claim 63, the claim is analogous to claim 21.

Regarding claim 64, the claim is analogous to claim 22.

Regarding claim 65, the claim is analogous to claim 23.

Regarding claim 66, the claim is analogous to claim 11.

Regarding claim 67, the claim is analogous to claim 12.

Regarding claim 68, the claim is analogous to claim 15.

Regarding claim 69, the claim is analogous to claim 16.

Regarding claim 70, the claim is analogous to claim 17.

Regarding claim 71, the claim is analogous to claim 29.

Regarding claim 72, the claim is analogous to claim 30.

Regarding claim 73, the claim is analogous to claim 22.

Regarding claim 74, Robotham discloses (column 9, lines 46-67, and column 10, lines 1-40) a method to view Internet content wherein the user input to return to the web page comprises a selection of a back icon displayed on the display of the device (fig. 13A), which shows icons to go back and forward, approximately a third of the way up on the screen from the bottom.

Regarding claim 75, the claim is analogous to claim 74.

Regarding claim 76, Robotham discloses (column 9, lines 46-67, and column 10, lines 1-40) a method to view Internet content comprising:

receiving at the device from the remote server a plurality of portions of the image of the entire web page;

storing on the device the plurality of portions of the image; and

scrolling the plurality of portions of the image on the device according to the plurality of portions of the image stored on the device. As disclosed by Robotham, the user has the ability to change the amount of resolution of the screen of the device, with the change the host server will send what the screen resolution currently is as needed.

Regarding claim 77, the claim is analogous to claim 18.

Regarding claim 78, the claim is analogous to claims 8 and 9.

Regarding claim 79, the claim is analogous to claim 12.

Regarding claim 80, Robotham discloses (column 9, lines 46-67, and column 10, lines 1-40) a method to view Internet content wherein a portion of the image which does not contain the plurality of frequently visited locations is not transmitted to the remote device in response to the request for the web page.

Regarding claim 81, the claim is analogous to claim 11.

Regarding claim 82, Robotham discloses (column 9, lines 46-67, and column 10, lines 1-40) a method to view Internet content wherein the portion of the image is rendered from information including text.

Regarding claim 84, the claim is analogous to claim 10.

Regarding claim 84, the claim is analogous to claim 12.

Regarding claim 84, the claim is analogous to claim 74.

Regarding claim 86, the claim is analogous to claim 74.

Regarding claim 87, Robotham discloses (column 9, lines 46-67, and column 10, lines 1-40) a method to view Internet content wherein at least a portion of the image is not received at the device when the input to return to the web page is received. With the ability to go back and with the view rendered into a plurality of areas of a total page, that when a user clicks to go back to a previous page then the page will be viewed with only a portion being shown.

Regarding claim 88, the claim is analogous to claim 14.

Regarding claim 89, the claim is analogous to claim 10.

Regarding claim 90, the claim is analogous to claim 74.

Regarding claim 91, the claim is analogous to claim 75.

Regarding claim 92, the claim is analogous to claim 31.

Regarding claim 93, the claim is analogous to claim 31.

Regarding claim 94, Robotham discloses (column 9, lines 46-67, and column 10, lines 1-40) a server to serve Internet content, the server comprising:

means (6) for storing information about a plurality of frequently visited locations of a web page for a remote device, the plurality of frequently visited locations being identified through user inputs to the remote device;

means (18) for receiving from the remote device a request for the web page;

means (14 and 28) for rendering at least a portion of an image of the entire web page from information defining the web page, the portion of the image including the plurality of frequently visited locations;

means (18) for transmitting in a compressed format the portion of the image from the server to the remote device in response to the request for the web page.

Regarding claim 95, the claim is analogous to claim 12.

Regarding claim 96, the claim is analogous to claim 80.

Regarding claim 97, the claim is analogous to claim 81.

Regarding claim 98, the claim is analogous to claim 82.

Regarding claim 99, Robotham discloses (column 9, lines 46-67, and column 10, lines 1-40) a device to view Internet content, the device comprising:

sending (column 9, lines 46-52) from a device to a remote server a request for a web page;

receiving (column 11, lines 58-67, and column 12, lines 1-13) at the device from the remote server in a compressed format a plurality of portions of an image of the entire web page, the plurality of portions of the image being rendered at the remote server from information including text; and

storing (column 10, lines 14-27) on the device the plurality of portions of the image;

receiving (column 10, lines 14-40) a user input to the device to display an area of the image; and

displaying (column 10, lines 14-40) the area of the image according to the plurality of portions of the image stored on the device.

Regarding claim 100, the claim is analogous to claim 12.

Regarding claim 101, the claim is analogous to claim 85.

Regarding claim 102, the claim is analogous to claim 74.

Regarding claim 103, the claim is analogous to claim 87.

Regarding claim 104, the claim is analogous to claim 14.

Regarding claim 105, the claim is analogous to claim 99.

Regarding claim 106, the claim is analogous to claim 74.

Regarding claim 107, the claim is analogous to claim 75.

Regarding claim 108, the claim is analogous to claim 76.

Regarding claim 109, the claim is analogous to claim 77.

Regarding claim 110, the claim is analogous to claim 99.

Regarding claim 111, the claim is analogous to claim 79.

Regarding claim 112, the claim is analogous to claim 80.

Regarding claim 113, the claim is analogous to claim 81.

Regarding claim 114, the claim is analogous to claim 82.

Regarding claim 115, the claim is analogous to claim 99.

Regarding claim 116, the claim is analogous to claim 12.

Regarding claim 117, the claim is analogous to claim 85.

Regarding claim 118, the claim is analogous to claim 74.

Regarding claim 119, the claim is analogous to claim 87.

Regarding claim 120, the claim is analogous to claim 14.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David L Jones whose telephone number is (703) 305-4675. The examiner can normally be reached on Monday - Friday (7:00am - 3:30pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Edward Coles can be reached on (703) 305-4712. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

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